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lock <near> tree structure <near> rebalancing

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**[PDF]** [•Concurrency control in B+-trees databases using preparatory operations](#)

Y Mond, Y Raz - Proc. of VLDB Conf, 1985 - vldb.org

... any node change preserves the PO-B+-tree constraints. During an interaction of two read-lock processes no ... necessary, since there is no change in the **structure**. ...

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[Real-time data access control on B-tree index structures](#)

TW Kuo, CH Wei, KY Lam - Data Engineering, 1999. Proceedings., 15th International ..., 1999 - ieeexplore.ieee.org

... a re-strictive locking mode such as "shared and intention exclusive" **locks**. ... a key key i for insertion into a B+-tree index **structure**, and key ...

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**[CITATION]** [Real-Time Data Access Control on B-Tree Index Structures](#)

TWKCH Wei, KY Lam - 15th International Conference on Data Engineering: March 23- ..., 1999 - IEEE Computer Society Press

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[Concurrent cache-oblivious B-trees- •mit.edu](#) **[PDF]**

MA Bender, JT Fineman, S Gilbert, BC Kuszmaul - Proceedings of the seventeenth annual ACM symposium on ..., 2005 - portal.acm.org

... then its parent node contains something near  $M^2$  ... maintain the efficient layout despite changes in the **tree**. ... A naïve approach would **lock** segments of the data ...

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**[PDF]** [•The log-structured merge-tree \(LSM-tree\)](#)

PO'Neil, E Cheng, D Gawlick, EO'Neil - Acta Informatica, 1996 - citeseerx.ist.psu.edu

... an insert reaches a **threshold** size **near** the maximum allotted, an ongoing rolling merge process serves ... The C 1 **tree** has a comparable directory **structure** to a B ...

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**[PDF]** [•Practical lock-freedom](#)

K Fraser, T Harris - University of Cambridge Computer Laboratory, Technical ..., 2004 - bcs.org

... If the **threshold** is set to one then update operations can update the **structure** in place ... that may be applied to deadlock-free **lock**-based algorithms ...

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### Real-Time Access Control and Reservation on B-Tree Indexed Data

TW Kuo, CH Wei, KY Lam - Real-Time Systems, 2000 - Springer

... be applied to multiple B + -tree index **structure** straightforwardly ... a B + -tree if there exists a sequence of ... a control set is to simplify the **lock** management of ...

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### Relaxed Min-Augmented Range Trees for Dynamic IP Router Tables

C Maindorfer - informatik.uni-freiburg.de

... If an update process changes the search **structure**, then it uses  $\bowtie$  ... Otherwise, the leaf's w-lock is changed into a  $\bowtie$ -lock. ... Afterwards, the **tree** is **rebalanced**. ...

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### Multiphase system and method of performing operations on data structures

CL Hersh - US Patent 7,185,340, 2007 - Google Patents

... herein are executed con-currently thus eliminating the need to **lock** the affected data ... After this insertion occurs, the entire **tree** data **structure** 700 is ...

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### [PDF] •Real-Time Access Control and Reservation on B-Tree Indexed Data

TWKCH Wei, KY Lam - citeseerx.ist.psu.edu

... the leaf to some proper node, eg, the root, using exclusive **locks** to restructure the ... with a key key i for insertion into a B + -tree index **structure**, and ...


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